

I CLAIM:

1. An improved structure of an air supply pump and a vacuum cleaner having an air supply pump, a dust vacuum box, a vacuum tube and an air ejection tube, characterized in that the air supply pump
5 includes an air supply head and an air inlet head which can respectively connect with the air ejection tube and the dust vacuum box; and the vacuum box is formed from two halves hollow cylindrical body, wherein in one half of the hollow cylindrical body, an outer edge is extended and the center section of the outer edge is
10 connected to a connection head which can be connected to the air inlet head of the air supply pump, and the dust vacuum box is provided with a concentric connection head having a bottom section engaged with an engageable filter seat, and the bottom section of the filter seat is mounted with a filter; the other half of the hollow
15 cylindrical body has an air hole mounted with a soft blocking plate which can effectively restrict the collected dust or debris in the dust vacuum box from discharging out from the air inlet hole; the vacuum tube is connected to the air inlet hole of the vacuum box and includes a suction shaft, and the ejection tube is connected to the air supply
20 connecting head of the air supply pump and includes a narrow

ejection head.

2. The air supply pump and the vacuum cleaner of claim 1, wherein the vacuum tube and the ejection tube are hollow flexible tube.
3. The air supply pump and the vacuum cleaner of claim 1, wherein the vacuum tube and the ejection tube are screwed or engaged to the air
5 supply head of the air supply pump and the dust vacuum box.